

Biosciences/Healthcare Breakout Group

- NIST staff comments on VCAT subgroup activities
 - What would be the most constructive way to interact?
- Group discussion on NIST history of supporting the biomedical industry
- Current NIST initiatives in this area
 - Current process for developing and prioritizing initiatives
- Industry overview (VCAT) and discussion (all)
 - Outline
 - Roadmap Examples
 - Diagnostics
 - Drug development
- Formulate Action Plan

Health Care, Biotechnology, Life Science NIST Strategic Planning: Straw man Process

- Outline industrial sectors
- Define critical measurements/technologies in sector
- Identify opportunities for advances in measurement science and development of critical standards
- Prepare summary
- Solicit input and comment from industry leaders
- Work with NIST staff to develop implementation plan

Major Industry Sectors Based on Bio and Medical Sciences

- Health Care
- Biotechnology
- Life Science Research
- Homeland Security

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- Health Care
 - Diagnostics
 - Drug Development
 - Medical Devices
 - Services
- Biotechnology
 - Energy
 - Food products
 - Materials
- Life Science Research
 - Instrumentation, devices, and reagents for research
- Homeland Security
 - Forensics
 - Biometrics
 - Biohazard detection

Example:

Health Care Industry sub-Sector

- Health Care
 - Diagnostics
 - Drug Development
 - Medical Devices
 - Services
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Health Care, Biotechnology, Life Science

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VCAT Biosciences/Healthcare Activities

- Prepare preliminary industry overviews
 - Pharmaceutical
 - Diagnostic
- Discuss current programs with lab directors
- Case study: History of Quantitative Biomedical Imaging at NIST